

Amendments to the Claims:

The following list of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

Claim 1 (currently amended): A fan motor structure, comprising:

a stator, which comprises:

a fan base; and

a bearing assembly mounted on the fan base; and

a rotor, which comprises:

a fan hub formed with an extrusion protruding from a top planar surface of the fan hub; and

a shaft fit into the bearing assembly and connected to the fan hub, the shaft having one end protruding from the top planar surface of the fan hub to form an extension portion enclosed by and in close connection with the extrusion of the fan hub;

wherein the height of the extension portion is approximately equal to the height of the extrusion of the fan hub and the extension portion of the shaft defines a groove thereon to be securely fixed to the extrusion of the fan hub.

Claim 2 (original): The fan motor structure according to claim 1, wherein the extrusion is formed in the central location of the fan hub.

Claim 3 (original): The fan motor structure according to claim 1, wherein the extrusion is cup-shaped.

Claim 4 (original): The fan motor structure according to claim 1,

wherein the bearing assembly includes a bearing and a bearing seat for accommodating and positioning the bearing.

Claim 5 (currently amended): A fan motor structure, comprising:

a stator, which comprises:

a fan base; and

a bearing assembly mounted on the fan base; and

a rotor, which comprises:

a fan hub formed with an extrusion protruding from an outer planar surface of the fan hub; and

a shaft fit into the bearing assembly and connected to the fan hub, the bearing assembly and the shaft both having one end protruding outwardly from the bottom surface of the fan base, and the shaft having one part enclosed by the extrusion of the fan hub.

Claim 6 (original): The fan motor structure according to claim 5, wherein the outer planar surface is a top planar surface of the fan hub.

Claim 7 (original): The fan motor structure according to claim 5, wherein the outer planar surface is a bottom planar surface of the fan hub.

Claim 8 (previously presented): The fan motor structure according to claim 6, wherein the extrusion further protrudes from a bottom planar surface of the fan hub.

Claim 9 (original): The fan motor structure according to claim 5, wherein the extrusion is formed in the central location of the fan hub.

Claim 10 (original): The fan motor structure according to claim 5, wherein the extrusion is cup-shaped.

Claim 11 (original): The fan motor structure according to claim 5, wherein the bearing assembly includes a bearing and a bearing seat for accommodating and positioning the bearing.

Claim 12 (currently amended): A fan motor structure, comprising:
a stator, which comprises:

a fan base; and

a bearing assembly mounted on the fan base, the bearing assembly including a bearing; and

a rotor, which comprises:

a shaft fit into the bearing assembly;

a fan hub; and

a sleeve embedded between the shaft and the fan hub, wherein the outside diameter of the sleeve is smaller than the outside diameter of the bearing of the bearing assembly;

wherein the shaft has one end protruding from a top planar surface of the fan hub to form an extension portion enclosed by and in close connection with the sleeve for enhancing the connection strength between the hub and the shaft; ~~and optionally the shaft has another end protruding from the bottom planar surface of the fan base.~~

Claim 13 (original): The fan motor structure according to claim 12, wherein the sleeve is a copper sleeve.

Claim 14 (currently amended): The fan motor structure according to

claim 12, wherein the bearing assembly further includes ~~a bearing and a~~ bearing seat for accommodating and positioning the bearing.

Claim 15 (withdrawn): A fan, comprising:

a frame;

a fan base, which is positioned higher than the bottom of the frame;

a bearing mounted on the fan base;

a fan hub;

a plurality of blades disposed around the fan hub; and

a shaft fit into the bearing and connected to the fan hub.

Claim 16 (withdrawn): The fan according to claim 15, wherein the blades extend toward the bottom of the frame.

Claim 17 (withdrawn): The fan according to claim 15, further comprising at least one rib disposed between the fan base and the frame, wherein the shape of the blades changes according to the shape of the rib.

Claim 18 (withdrawn): The fan according to claim 15, wherein the shaft has one end protruding from the bottom surface of the fan base.

Claim 19 (withdrawn): The fan according to claim 15, wherein the shaft has one end protruding from the top planar surface of the fan hub.

Claim 20 (withdrawn): A fan, comprising:

a fan base;

a bearing mounted on the fan base;

a fan hub;

a plurality of blades, each of the blades including a bevel edge extending from the fan hub to form an upper edge higher than the fan hub; and

a shaft supported by the bearing and connected to the fan hub.

Claim 21 (withdrawn): The fan according to claim 20, wherein the shaft has one end protruding from the bottom surface of the fan base.

Claim 22 (withdrawn): The fan according to claim 20, wherein the shaft has one end protruding from the top planar surface of the fan hub.

Claim 23 (previously presented): The fan motor structure according to claim 12, wherein the fan hub further comprises a plurality of blades disposed around the fan hub.

Claim 24 (withdrawn): The fan motor structure according to claim 23, further comprising a frame, wherein the blades extend toward the bottom of the frame of the fan motor structure.

Claim 25 (withdrawn): The fan motor structure according to claim 24, wherein at least one rib is disposed between the fan base and the frame, wherein the shape of the blades changes according to the shape of the rib.

Claim 26 (withdrawn): The fan motor structure according to claim 12, wherein the fan hub further comprises a plurality of blades, each of the blades including a bevel edge extending from the fan hub to form an upper edge higher than the fan hub.

Claim 27 (previously presented): The fan motor structure according to claim 1, wherein the fan hub further comprises a plurality of blades disposed around the fan hub.

Claim 28 (previously presented): The fan motor structure according to claim 5, wherein the fan hub further comprises a plurality of blades disposed around the fan hub.

Claim 29 (new): The fan motor structure according to claim 12, wherein the shaft has another end protruding from the bottom planar surface of the fan base.